**WARM UP**

**The heights of 18-24 year old women are distributed with the following: mean = 64.5” std. dev. = 2.5” The heights of 18-24 year old men are known to be distributed with a mean of 67” and a std. deviation of 2.3 inches.**

1. We know a woman who is 70” tall and also know a man who is 76” tall. Who is taller relatively?
2. Draw and label the normal model for WOMENS heights
3. 68% of women’s heights are between what two numbers?
4. Draw and label the normal model for MENS heights
5. 95% of men’s heights are between what two numbers?
6. John’s height has a Z score of 1.3. Maria’s height has a Z score of 1.25. Who is taller RELATIVELY?
7. Go back to the previous question. Find John’s ACTUAL height, and Maria’s ACTUAL height. Who is taller if they stand back to back?

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